CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT
TEST ON CEMENT

Name & Address of the Customer	AEE, Project Division Yelahanka Zone, BBMP
Name of Work	Providing outdoor fitness equipments and other works at Coffee Board Layout park in ward No. 07.
Name of the Agency	M/s. Technical Manager (West), KRIDL
Date of Testing	04/05/2015

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	55	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	48	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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4. The results are based on the test conducted on samples supplied by the client.

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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Project Division Yelahanka Zone, BBMP
Name of Work	Providing outdoor fitness equipments and other works at Coffee Board Layout park in ward No. 07.
Name of the Agency	M/s. Technical Manager (West), KRIDL
Date of Testing	04/05/2015
Specific Gravity	**2.57**

Sample	**IS Sieve designation (mm)**	**Sieve Analysis (% Passing IS Sieve)**	**Grading Requirement as per IS:383-1970**				**Grading Zone**
			ZONE-I	**ZONE-II**	**ZONE-III**	**ZONE-IV**	
River Sand	10	**100**	100	100	100	100	**II**
	4.75	**98.4**	90-100	90-100	90-100	95-100	
	2.36	**82.6**	60-95	75-100	85-100	95-100	
	1.18	**72.4**	30-70	55-90	75-100	90-100	
	0.6	**44.6**	15-34	35-59	60-79	80-100	
	0.3	**24.5**	5-20	8-30	12-40	15-50	
	0.15	**8.4**	0-10	0-10	0-10	0-15	

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Project Division Yelahanka Zone, BBMP
Name of Work	Providing outdoor fitness equipments and other works at Coffee Board Layout park in ward No. 07.
Name of the Agency	M/s. Technical Manager (West), KRIDL
Date of Testing	04/05/2015
Specific Gravity	**2.68**
Water Absorption in %	**0.28**

Asst. Executive Engineer
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Yelahanka Zone
Bangalore

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	**100**	100	**Satisfies the requirement**
40	**98.4**	95-100	
20	**52.6**	30-70	
10	**23.5**	10-35	
4.75	**3.2**	0-5	

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TEST REPORT
TEST ON CONCRETE TILES

Name & Address of the Customer	AEE, Project Division Yelahanka Zone, BBMP
Name of Work	Providing outdoor fitness equipments and other works at Coffee Board Layout park in ward No. 07.
Name of the Agency	M/s. Technical Manager (West), KRIDL
Date of Testing	25/05/2015

I. Wet Transverse Strength Test:

Sl.No	Identification	Measured Dimension (mm)	Wet Transverse Strength (N/sq.mm)	Average Wet Transverse Strength (N/sq.mm)	Requirement as per IS:1237-2012
1	Designer Tiles	300x300x26	3.5	3.42	The average wet transverse strength should not be less than 3.0 N/sq.mm when six full size tiles are tested.
2		300x300x25	3.6		
3		300x300x27	3.4		
4		300x300x25	3.3		
5		300x300x24	3.2		
6		300x300x27	3.5		

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Project Division
Yelahanka Zone

II. Water Absorption Test:

Sl.No	Identification	Nominal Dimension (mm)	Water Absorption (% by weight)	Average Water Absorption (% by weight)	Requirement as per IS:1237-2012
1	Designer Tiles	300x300x25	8.4	8.48	The average percentage of water absorption should not exceed 10% when six full size tiles are tested.
2		300x300x25	8.6		
3		300x300x25	8.7		
4		300x300x25	8.5		
5		300x300x25	8.4		
6		300x300x25	8.3		

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Project Division Yelahanka Zone, BBMP
Name of Work	Providing outdoor fitness equipments and other works at Coffee Board Layout park in ward No. 07.
Name of Agency	M/s. Technical Manager (West), KRIDL
Grade of Concrete	M-15
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Pavement)	16/05/2015	13/06/2015	28	8.19	350	**15.56**	**15.79**
2					8.20	354	**15.73**	
3					8.21	362	**16.09**	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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